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LISTING OF CLAIMS

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Please amend the claims as follows:

- (Currently Amended) A golf ball comprising a core, a moisture vapor barrier layer and a 1. cover, wherein the moisture vapor barrier layer has a moisture vapor transmission rate that is lower than that of the cover and the moisture vapor barrier layer eonsists essentially of comprises a blend of a non-ionomeric acid terpolymer or and copolymer, or combinations thereof and the terpolymer having a Shore D hardness of about 23 to about 40 41, wherein the moisture vapor barrier layer has a thickness of about 0.03 inch or less.
- 2. (Withdrawn) A golf ball comprising a core, a moisture vapor barrier layer, and a cover, wherein the moisture vapor barrier layer has a moisture vapor transmission rate that is lower than that of the cover, and comprises:
 - a copolymer of ethylene and methacrylic acid; and a terpolymer of ethylene, a softening acrylate class ester, and a carboxylic acid.
- 3. (Withdrawn) The golf ball set forth in claim 2, wherein the terpolymer is a terpolymer of ethylene, methyl acrylate and acrylic acid.
- 4-6. (Canceled).
- 7. (Currently Amended) The golf ball as set forth in claim 1, wherein the non-ionomeric acid terpolymer or copolymer has an acid level by weight in the range of about 3% to about 25%.
- (Previously presented) The golf ball as set forth in claim 7, wherein the acid level by 8. weight is in the range of about 4% to about 15%.
- 9. (Previously presented) The golf ball as set forth in claim 8, wherein the acid level by weight is in the range of about 7% to about 11%.

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(Currently Amended) The golf ball set forth in claim 1, wherein the non-ionomeric acid 10. terpolymer or copolymer has a melt flow index in the range between about 1 gram/10 minutes to about 500 grams/10 minutes.

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- (Previously presented) The golf ball set forth in claim 10, wherein the melt flow index is 11. in the range of about 3 grams/10 minutes to about 60 grams/10 minutes.
- (Previously presented) The golf ball set forth in claim 11, wherein the melt flow index is 12. in the range of about 3 grams/10 minutes to about 35 grams/10 minutes.
- (Previously presented) The golf ball set forth in claim 12, wherein the melt flow index is 13. in the range of about 5 grams/10 minutes to about 25 grams/10 minutes.
- 14. (Canceled).
- (Currently Amended) The golf ball set forth in claim 14 1, wherein the thickness is about 15. 0.020 inch or less.
- (Previously presented) The golf ball set forth in claim 15, wherein the thickness is from 16. about 0.020 inch to about 0.005 inch.
- (Previously presented) The golf ball set forth in claim 1, wherein the moisture vapor 17. barrier layer is made from two semi-cured half shells compression-molded on to the core.
- 18-34, (Canceled).
- (Previously Presented) A golf ball comprising a core, a water vapor barrier layer and a 35. cover, wherein the water vapor barrier layer has a moisture vapor transmission rate that is lower than that of the cover and the water vapor barrier layer comprises a non-ionomeric material having a melt flow index greater than about 300 grams/10 minutes and a thickness of about .005 inches.

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- (Currently Amended) The golf ball of claim 35, wherein the water vapor barrier layer further comprises a copolymer having a melt flow index is of about 5 grams/10 minutes to about 500 grams/10 minutes.
- (Currently Amended) The golf ball set forth in claim 35, wherein the water vapor barrier 37. layer further comprises a copolymer having a melt flow index is greater than 14 grams/10 minutes.
- (Currently Amended) The golf ball set forth in claim 35, wherein the water vapor barrier 38. layer further comprises a copolymer having a melt flow index is in the range of about 3 grams/10 minutes to about 60 grams/10 minutes.
- (Currently Amended) The golf ball set forth in claim 38, wherein the water vapor barrier 39. layer further comprises a copolymer having a melt flow index is in the range of about 5 grams/10 minutes to about 25 grams/10 minutes.
- 40. (Canceled).
- 41. (Canceled).
- 42. (Canceled).
- (Original) The golf ball set forth in claim 35, wherein the water vapor barrier layer is 43. made from two semi-cured half shells compression-molded on to the core.
- (Original) The golf ball set forth in claim 35, wherein the core is selected from a group consisting of natural rubber, polybutadiene, polyisoprene, styrene-butadiene, styrene-propylenediene, ionomer resin, polyamide, polyester, thermoplastic elastomer, castable urethane, castable polyurea, castable epoxy, castable silicone, IPN, reaction injection molded polyurethane, reaction injection molded polyurea.

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- (Original) The golf ball set forth in claim 35, wherein the core comprises a polybutadiene 45. having a Mooney viscosity in the range of about 40 to about 65.
- (Original) The golf ball set forth in claim 45, wherein the core has a compression of 46. about 30 to about 80.
- 47. (Cancelled)
- (Previously presented) The golf ball set forth in claim 44, wherein the core further 48. comprises pentachlorothiophenol or a metal salt thereof.
- (Original) The golf ball set forth in claim 35, wherein the cover is selected from a group 49. consisting of ionomer resins, blends of ionomer resins, thermoplastic urethane, thermoset urethane, acrylic acid, methacrylic acid, thermoplastic rubber polymers consisting of block copolymers, polyethylene, synthetic vulcanized rubber and natural vulcanized rubber.
- (Original) The golf ball set forth in claim 35, wherein the cover comprises a thermoset 50. polyurethane.
- 51. (Canceled).
- (Previously presented) The golf ball of claim 1, wherein the moisture vapor barrier layer 52. has a moisture vapor transmission rate of less than about 0.95 grams·mm/m²·day.
- (Previously presented) The golf ball of claim 1, wherein the moisture vapor barrier layer 53. has a moisture vapor transmission rate of less than about 0.45 grams·mm/m²-day.
- (Currently Amended) The golf ball of claim 1, wherein the non-ionomeric acid 54. terpolymer or copolymer has a moisture vapor transmission rate of about 0.01 grams mm/m²-day to about 0.9 grams·mm/m²·day.
- (Canceled). 55.

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- 56. (Canceled).
- 57. (Currently Amended) The golf ball of claim 56 1, wherein at least one of the non-ionomeric acid terpolymer or copolymer of the blend has an acid level of about 10% to or about 19%.
- 58. (Currently Amended) The golf ball of claim 1, wherein the non-ionomeric acid terpolymer or copolymer has a specific gravity of about 0.93 to about 0.96.
- 59. (Currently Amended) The golf ball of claim 1, wherein the copolymer of the blend of the moisture vapor barrier layer has a Shore D hardness of about 23 42 to about 63.
- 60. (Currently Amended) The golf ball of claim 1, wherein the moisture vapor barrier layer further comprises a second acid terpolymer or copolymer.
- 61. (Currently Amended) The golf ball of claim 60, wherein at least one of the non-ionomeric acid terpolymer or copolymer of the blend and the second acid terpolymer or copolymer is present in an amount of about 25%, 50% or to about 75%.
- 62. (Currently Amended) The golf ball of claim 60, wherein the second acid terpolymer or copolymer is non-ionomeric.
- 63. (Currently Amended) The golf ball of claim 62, wherein the non-ionomeric acid terpolymer or copolymer is a copolymer of ethylene and methacrylic acid, and the second acid terpolymer or copolymer is a copolymer of ethylene and acrylic acid.
- 64. (Withdrawn) The golf ball of claim 60, wherein the non-ionomeric acid terpolymer or copolymer and the second acid terpolymer or copolymer are selected from the group consisting of copolymers of ethylene and carboxylic acid and terpolymers of ethylene, softening acrylate class ester, and carboxylic acid.

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- 65. (Currently Amended) The golf ball of claim 60, wherein the non-ionomeric acid terpolymer or and copolymer blend and the second acid terpolymer or copolymer are selected from the group consisting of copolymers of ethylene and methacrylic acid; copolymers of ethylene and acrylic acid; and terpolymers of ethylene, an ester being methyl acrylate, n-butyl acrylate or iso-butyl acrylate, and an acid being acrylic acid or methacrylic acid.
- 66. (Currently Amended) The golf ball of claim 60, wherein the moisture vapor barrier layer further comprises a third acid terpolymer or copolymer.
- 67. (Currently Amended) The golf ball of claim 66, wherein the third acid terpolymer or copolymer is non-ionomeric.
- 68. (Withdrawn) The golf ball of claim 2, wherein at least one of the copolymer and the terpolymer is non-ionomeric.
- 69. (Withdrawn) The golf ball of claim 2, wherein the terpolymer is a terpolymer of ethylene, an ester being methyl acrylate, n-butyl acrylate or iso-butyl acrylate, and an acid being acrylic acid or methacrylic acid.
- 70. (Withdrawn) The golf ball of claim 2, wherein the moisture vapor barrier layer further comprises a copolymer of ethylene and acrylic acid.
- 71. (Withdrawn) The golf ball of claim 2, wherein the water vapor barrier layer has a Shore D hardness of about 23 to about 63.
- 72. (Withdrawn) The golf ball of claim 2, wherein the water vapor barrier layer has a moisture vapor transmission rate of less than about 0.95 grams mm/m² day.
- 73. (Withdrawn) The golf ball of claim 2, wherein the water vapor barrier layer further comprises a second non-ionomeric material having a melt flow index of greater than 14 grams/10 minutes.